

eTable 1. Concordance of parent and adolescent report of eating disorder symptoms, Kappa (95% CI)

	Full Population	Males	Females
Age 14 Symptoms			
<i>Binge eating</i> n=4866	0.107 (0.062, 0.152)	0.074 (0.033, 0.115)	0.125 (0.079, 0.172)
<i>Vomiting</i> n=4914	0.062 (-0.021, 0.145)	0.265 (0.122, 0.407)	-0.001 (-0.012, 0.011)
<i>Laxatives</i> n=4927	-0.001 (-0.002, 0.000)	-0.001 (-1.000)	-0.001 (-0.004, 0.003)
<i>Fasting</i> n=4876	0.139 (0.092, 0.186)	0.068 (0.028, 0.108)	0.148 (0.100, 0.196)
<i>Thinness</i> n=4991	0.136 (0.055, 0.218)	0.095 (0.023, 0.167)	0.185 (0.095, 0.275)
Age 16 Symptoms			
<i>Binge eating</i> n=3850	0.117 (0.074, 0.160)	0.096 (0.055, 0.137)	0.118 (0.075, 0.161)
<i>Vomiting</i> n=3818	0.067 (0.014, 0.121)	0.122 (0.055, 0.190)	0.060 (0.009, 0.111)
<i>Laxatives</i> n=3802	0.125 (0.022, 0.229)	0.398 (0.259, 0.538)	0.081 (-0.007, 0.169)
<i>Fasting</i> n=3558	0.055 (0.021, 0.089)	-0.014 (-0.029, 0.001)	0.061 (0.026, 0.096)

eTable 2. Parent by adolescent report of vomiting at age 16, N

	Parent = no	Parent = yes	Parent = missing
Adolescent = no	3,659	6	887
Adolescent = yes	147	6	83
Adolescent = missing	1,430	4	1,746

eTable 3. Parent by adolescent report of fasting at age 14, N

	Parent = no	Parent = yes	Parent = missing
Adolescent = no	4,426	171	758
Adolescent = yes	234	45	105
Adolescent = missing	1,607	93	529

eTable 4. Absolute fat mass (kg) model estimates, coefficients (SE)*

	Binge Eating	Vomiting	Laxative Use	Fasting	Thinness
Age 14 Models					
Intercept	14.40 (0.30)	14.64 (0.30)	14.62 (0.30)	14.54 (0.29)	14.72 (0.30)
Parity (Multiparous)	0.12 (0.25)	0.09 (0.25)	0.11 (0.25)	0.07 (0.25)	0.11 (0.25)
Maternal Education (A level or above)	-1.43 (0.23)	-1.51 (0.23)	-1.51 (0.23)	-1.43 (0.23)	-1.50 (0.23)

Sex (Female)	7.51 (0.28)	7.59 (0.27)	7.62 (0.27)	7.42 (0.28)	7.59 (0.27)
Symptom	4.84 (0.51)	3.38 (1.80)	3.66 (3.16)	3.50 (0.59)	-5.41 (0.99)
Informant (Child)	-0.05 (0.15)	-0.04 (0.16)	-0.02 (0.16)	-0.08 (0.15)	-0.04 (0.15)
Symptom*Informant					
Age 16 Models					
Intercept	14.39 (0.30)	14.66 (0.30)	14.62 (0.30)	14.68 (0.30)	NA
Parity (Multiparous)	0.09 (0.25)	0.09 (0.25)	0.10 (0.25)	0.09 (0.25)	NA
Maternal Education (A level or above)	-1.44 (0.22)	-1.52 (0.23)	-1.50 (0.23)	-1.48 (0.23)	NA
Sex (Female)	7.43 (0.27)	7.57 (0.29)	7.56 (0.27)	7.43 (0.28)	NA
Symptom	5.88 (0.85)	1.39 (0.91)	9.57 (3.00)	2.00 (0.52)	NA
Informant (Child)	0.21 (0.17)	-0.06 (0.16)	-0.01 (0.16)	-0.22 (0.16)	NA
Symptom*Informant	-3.11 (0.95)		-7.17 (2.80)		NA

*Models used multiple imputation methods for missingness. Predictors of missingness are summarized in eTable 4.

NA: no thinness measure available at age 16

eTable 5. Absolute lean mass (kg) model estimates, coefficients (SE)*

	Binge Eating	Vomiting	Laxative Use	Fasting	Thinness
Age 14 Models					
Intercept	55.00 (0.20)	55.03 (0.20)	55.03 (0.20)	55.02 (0.20)	55.08 (0.20)
Parity (Multiparous)	-0.11 (0.16)	-0.11 (0.16)	-0.11 (0.16)	-0.11 (0.16)	-0.11 (0.16)
Maternal Education (A level or above)	0.36 (0.15)	0.35 (0.15)	0.35 (0.15)	0.36 (0.15)	0.36 (0.15)
Sex (Female)	-17.15 (0.16)	-17.13 (0.16)	-17.14 (0.16)	-17.15 (0.16)	-17.15 (0.16)
Symptom	0.57 (0.26)	-0.68 (0.88)	0.62 (1.75)	0.29 (0.29)	-2.62 (0.59)
Informant (Child)	-0.006 (0.08)	0.01 (0.09)	-0.003 (0.09)	-0.006 (0.09)	-0.02 (0.09)
Symptom*Informant					
Age 16 Models					
Intercept	54.95 (0.19)	55.03 (0.20)	55.03 (0.20)	55.03 (0.20)	NA
Parity (Multiparous)	-0.11 (0.16)	-0.11 (0.16)	-0.11 (0.16)	-0.11 (0.16)	NA
Maternal Education (A level or above)	0.37 (0.15)	0.35 (0.15)	0.35 (0.15)	0.35 (0.15)	NA
Sex (Female)	-17.17	-17.14	-17.15	-17.15	NA

	(0.16)	(0.16)	(0.16)	(0.16)	
Symptom	1.63 (0.39)	0.01 (0.45)	0.78 (0.64)	0.14 (0.28)	NA
Informant (Child)	0.05 (0.09)	-0.0004 (0.09)	-0.01 (0.09)	-0.01 (0.09)	NA
Symptom*Informant	-1.28 (0.52)				NA

*Models used multiple imputation methods for missingness. Predictors of missingness are summarized in eTable 4.

NA: no thinness measure available at age 16

eFigure 3. Model-based expected BMI, fat mass, and lean mass at 17.5 years by age-16 symptom report and informant among first-born or only children with lower maternal education levels

